

Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody

Catalog # ABO13820

Product Information

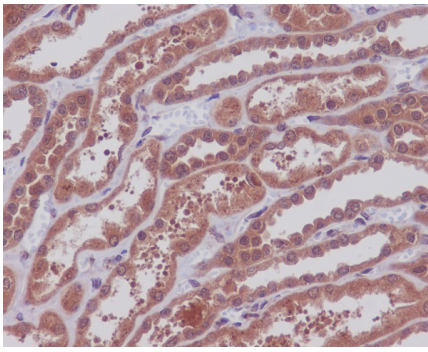
Application	WB, IHC, IF, ICC, IP
Primary Accession	Q02750/P36507
Host	Rabbit
Isotype	Rabbit IgG
Reactivity	Rat, Human, Mouse
Clonality	Monoclonal
Format	Liquid
Description	Anti-MEK1/2 MAP2K1 Rabbit Monoclonal Antibody . Tested in WB, IHC, ICC/IF, IP applications. This antibody reacts with Human, Mouse, Rat.

Additional Information

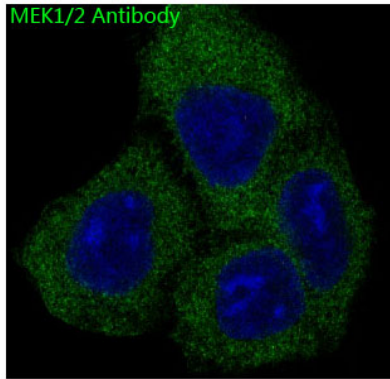
Calculated MW	43439 Da
Application Details	WB 1:5000-1:10000 IHC 1:100-1:500 ICC/IF 1:50-1:100 IP 1:50-1:100
Subcellular Localization	Cytoplasm, cytoskeleton, microtubule organizing center, centrosome. Cytoplasm, cytoskeleton, microtubule organizing center, spindle pole body. Cytoplasm. Nucleus. Localizes at centrosomes during prometaphase, midzone during anaphase and midbody during telophase/cytokinesis.
Tissue Specificity	Widely expressed, with extremely low levels in brain..
Contents	Rabbit IgG in phosphate buffered saline, pH 7.4, 150mM NaCl, 0.02% sodium azide and 50% glycerol, 0.4-0.5mg/ml BSA.
Clone Names Immunogen	Clone: BOA-13 A synthesized peptide derived from human MEK1/2
Purification	Affinity-chromatography
Storage	Store at -20°C for one year. For short term storage and frequent use, store at 4°C for up to one month. Avoid repeated freeze-thaw cycles.

Protein Information

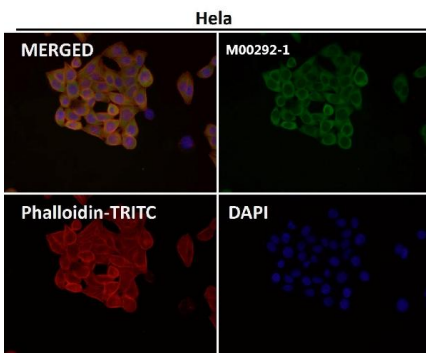
Images



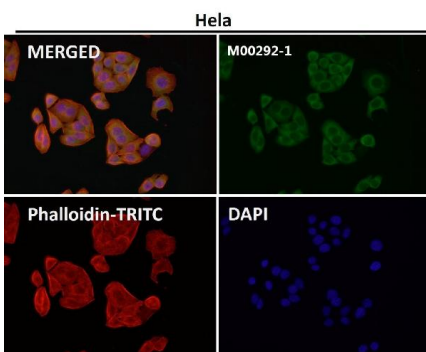
Immunohistochemical analysis of paraffin-embedded human kidney, using MEK1/2 Antibody.



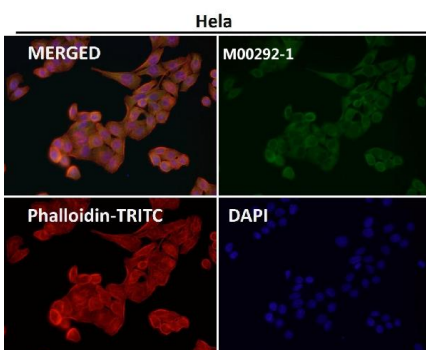
Immunofluorescent analysis of HeLa cells, using MEK1/2 Antibody .



Immunofluorescent analysis using the Antibody at 1:50 dilution.



Immunofluorescent analysis using the Antibody at 1:150 dilution.



Immunofluorescent analysis using the Antibody at 1:500 dilution.

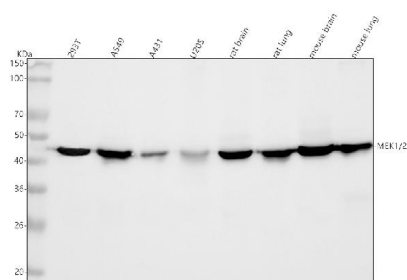


Figure 1. Western blot analysis of MEK1-2 using anti-MEK1-2 antibody (M00292-1).

Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel) / 90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions.

Lane 1: human 293T whole cell lysates,

Lane 2: human A549 whole cell lysates,

Lane 3: human A431 whole cell lysates,

Lane 4: human U2OS whole cell lysates,

Lane 5: rat brain tissue lysates,

Lane 6: rat lung tissue lysates,

Lane 7: mouse brain tissue lysates,

Lane 8: mouse lung tissue lysates.

After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-MEK1-2 antigen affinity purified monoclonal antibody (Catalog # M00292-1) at 1:5000 overnight at 4°C, then washed with TBS-0.1%Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:500 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit (Catalog # EK1002) with Tanon 5200 system. A specific band was detected for MEK1-2 at approximately 43 kDa. The expected band size for MEK1-2 is at 43 kDa.

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.